

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09010-113001	Application No. 09/751,299
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Mark Madden et al.	
		Filing Date December 28, 2000	Group Art Unit 1632

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
RK	AA	4,908,313	03/13/99	Satoh, et al.			
	AB	5,206,158	04/27/93	Clifford, et al.			
	AC	5,587,303	12/24/96	Wakamoto, A., et al.			
↓	AD	6,042,824	03/28/00	Khalaf, Nazer K.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
↑	AE	JP61162195	1/11/85 (filed)	JP			Abs.	
	AF	JP04079894	3/13/92	JP			Abs.	
KK	AG	EP0596812	5/11/94	EP				
	AH	WO8607386	12/18/86	WO				
	AI	WO9102071	2/21/91	WO				
	AJ	WO9108287	6/13/91	WO				
	AK	WO9108316	6/13/91	WO				
	AL	WO9424305	10/27/94	WO				
	AM	WO9955310	11/04/99	WO				
	AN	WO9721805	6/19/97	WO				
	AO	WO9813119	4/2/98	WO				
	AP	WO0003685	1/27/00	WO				
	AQ	WO0104331	1/18/01	WO				
	AR	WO0104327	1/18/01	WO				
	AS	WO0114561	3/01/01	WO				
	AT	WO0118211	3/15/01	WO				
	AU	WO0121782	3/29/01	WO				
	AV	WO0125438	4/12/01	WO				
↓	AW	WO0129241	4/26/01	WO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Signature <i>Kathy Ka</i>	Date Considered 3/27/03
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KL	AX	Abato, et al., <i>An Enzymatic Method for Determining Enantiomeric Excess</i> , J. Am. Chem. Soc. 2001, 123, 9206-9207
	AY	Almatawah, et al., <i>Thermostable nitrilase catalysed production of nicotinic acid from 3-cyanopyridine</i> , Enzyme and Microbial Technology 25 (1999) 718-724
	AZ	Baumann, M., et al., <i>A high-throughput screening method for the identification of active and enantioselective hydrolases</i> Poster P-130, presented at Bio Trans 2001, September 2-7, 2001, Darmstadt, Germany
	AAA	Bhalla, T., et al., <i>Asymmetric hydrolysis of α-aminonitriles to optically active amino acids by a nitrilase of Rhodococcus rhodochrous PA-34</i> 1992 Applied Micro Biotech 37:184-190
	ABB	Business Communications Company, <i>Amino Acids for Synthesis Applications – Introduction, Summary, Overview, Industry, Manufacture of Amino Acids, Peptide Synthesis Technologies and Amino Acid Products for Synthesis Use Section 7.2.5 Prices of Natural Amino Acids – No date</i>
	ACC	Business Communications Company, <i>Amino Acids for Synthesis Applications – Introduction, Summary, Overview, Industry, Manufacture of Amino Acids, Peptide Synthesis Technologies and Amino Acid Products for Synthesis Use Section 7.3 Unnatural Amino Acids</i> February 1999; 9 pgs.
	ADD	Caruso, et al., <i>Assembly of B-glucosidase multilayers on spherical colloidal particles and their use as active catalysts</i> ; Physicochemical and Engineering Aspects 169 (2000) 287-293
	AEE	Cheong, et al., <i>Cloning of a wide-spectrum amidase from Bacillus stearothermophilus BR388 in Escherichia coli and marked enhancement of amidase expression using directed evolution</i> , Enzyme and Microbial Technology 26 (2000) 152-158
	AFF	Choi, et al., <i>Hydrolysis of the Nitrile group in α-Aminophenylacetone nitrile by Nitrilase; Development of a New Biotechnology for Stereospecific Production of S-α-Phenylglycine</i> , Arch. Pharm. Res. (1986) pgs. 45-47
	AGG	Cowan, et al., <i>Biochemistry and biotechnology of mesophilic and thermophilic nitrile metabolizing enzymes</i> , Extremophiles (1998) 2:207-216
	AHH	Crosby, et al., <i>Enzymic Hydrolysis of Prochiral Dinitriles</i> , Tetrahedron Asymmetry Vol. 3, No. 12, pp. 1547-1550, 1992
✓	AII	Dufour, et al., <i>Synthesis of amidrazones using an engineered papain nitrile hydratase</i> , FEBS Letters 433 (1998) 78-82
	AJJ	Fourmand, et al., <i>Monohydroxamic acid-biosynthesis</i>, Journal of Molecular Catalysis B: Enzymatic 5 (1998) 207-211 No Copy
	AKK	Gabriel, et al., <i>High-performance liquid chromatographic study of the aromatic nitrile metabolism in soil bacteria</i>, Journal of Chromatography B, 681 (1996) 191-195 No Copy
KK	ALL	Gallifuoco, et al., <i>Immobilized B-glucosidase for the winemaking industry: study of biocatalyst operational stability in laboratory-scale continuous reactors</i> Process Biochemistry 35 (1999) 179-185
KK	AMM	GenBank Accession No.: E-01313, September 29, 1997
KL	ANN	Graham, et al., <i>Nitrile biotransformations using free and immobilized cells of a thermophilic bacillus spp.</i> Enzyme and Microbial Technology 26 (2000) 368-373
KL	AOO	Hughes, et al., <i>Application of whole cell rhodococcal biocatalysts in acrylic polymer manufacture</i> Antonie Van Leeuwenhoek Vol. 74, Abstract only
	APP	Kim, et al., <i>Cloning and expression of the nitrile hydratase and amidase genes from Bacillus sp. BR449 into Escherichia coli</i> Enzyme Microbiology Technology 2000 492-501

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(37 CFR §1.98(b))

Applicant
Mark Madden et al.Filing Date
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1632**Other Documents (include Author, Title, Date, and Place of Publication)**

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KK	AQQ	Kobayashi, et al., <i>Nitrilase of Rhodococcus rhodochrous J1</i> Eur. J. Biochem. 182, pgs. 349-356 (1989)
KK	ARR	Liu, et al., <i>Determination of Organonitriles Using Enzyme-Based Sselectivity Mechanisms. 2. A Nitrilase-Modified Glassy Carbon Microelectrode Sensor for Benzonitrile</i> Anal. Chem. 1995 67 Abstract <i>only</i>
KL	ASS	Mala, et al., <i>Towards regioselective synthesis of oligosaccharides by sue of α-glucosidases with different substrate specificity</i> Carbohydrate Research 322 (1999) 209-218
KK	ATT	Martino, et al., <i>Immobilization of B-glucosidase from a Commercial Preparation Part 1. A Comparative Study of Natural Supports</i> , Process Biochemistry Vol. 31 No. 3, pp. 281-285, 1996
	AUU	Nagasawa, et al., <i>Microbial transformations of nitriles</i>, June 1989 Vol. 7, pp. 153-158 No Journal Title
	AVV	Ogawa, et al., <i>Microbial enzymes: new industrial applications from traditional screening methods</i>, 9 pages incomplete citation
KK	AWW	Taillades, et al., <i>Enzymatic Hydrolysis of Racemic Phenylalaninamide With Pronase Immobilized On Ketonic Polymer</i> Bulletin De La Societe Chimique De France, Vol. 128, No. 3, 1991, pgs. 423-430 <i>in French</i>
KK	AXX	Zhou, et al., <i>Nucleotide sequence of a pathogen induced nitrilase gene from Arabidopsis thaliana: Nit2 (Accession No. U47114)</i> Plant Gene Register PGR 96-006

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